

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 2001-255888
(43)Date of publication of application : 21.09.2001

(51)Int.Cl.

G10L 15/18

(21)Application number : 2000-064189

(71)Applicant : RICOH CO LTD

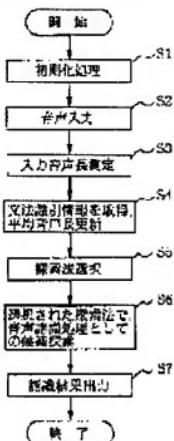
(22)Date of filing : 08.03.2000

(72)Inventor : TAKAMI JUNICHI

(54) SPEECH RECOGNITION DEVICE, SPEECH RECOGNITION METHOD AND STORAGE MEDIUM STORED WITH PROGRAM TO EXECUTE THE METHOD

(57)Abstract:

PROBLEM TO BE SOLVED: To realize highly efficient candidate search while switching grammars for speech recognition.
SOLUTION: When speech is inputted (S2), the length of inputted speech is measured (S3). When a grammar which is to be used to recognize the inputted speech is specified from an application program side, cummulative input speech lengths that are stored to be made correspond to the grammar identification information and the number of speech inputs are obtained and updated. Then, an average speech length is updated from the updated cummulative input speech lengths and the number of speech inputs (S4). In parallel with the updating process, an appropriate searching method is selected employing the size of the specified grammar and the average speech length in the speech recognition processing conducted in the past using the grammar (S5). Then, a candidate search is conducted with the inputted speech as a recognition process by using the selected searching method (S6) and a recognition result is outputted (S7).



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[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]